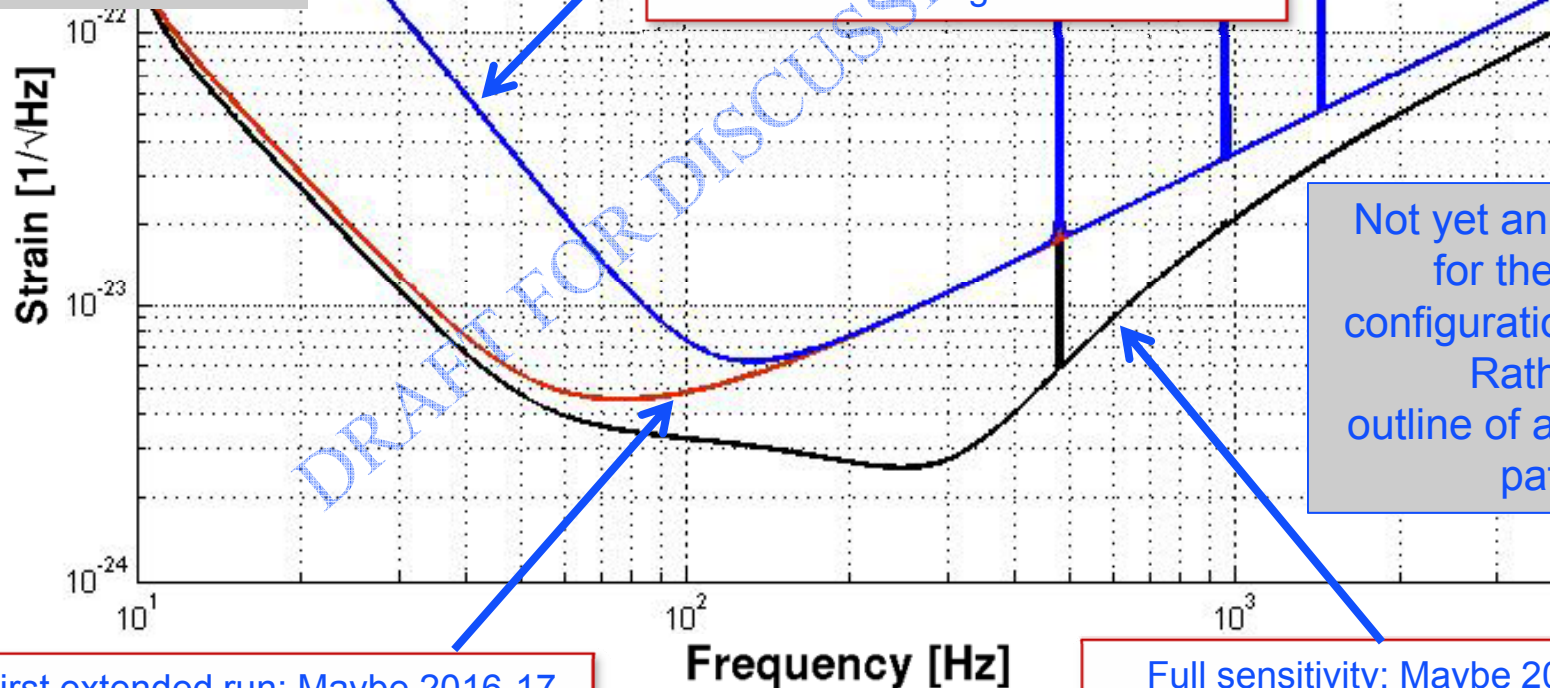


**WARNING:**  
reaching LF target  
sensitivity is always  
harder than  
anticipated

Early short run: Maybe 2015  
25w laser input, no signal recycling  
~10x excess low frequency noise  
BNS Inspiral Range: 60 Mpc  
BBH Inspiral Range: 230 Mpc  
Stochastic Omega:  $1.5e-7$



Not yet an official plan  
for the aLIGO  
configuration evolution!  
Rather an  
outline of a reasonable  
path

First extended run: Maybe 2016-17  
25w laser input, no signal recycling  
BNS: 140 Mpc  
BBH: 1400 Mpc  
Stochastic:  $3e-9$

Full sensitivity: Maybe 2018-19  
125w laser input, signal recycling  
BNS Inspiral Range: 200 Mpc  
BBH Inspiral Range: 1600 Mpc  
Stochastic Omega:  $2.3e-9$